

What is claimed is:

1. A replenishment toner for use in an image forming apparatus that detects a toner concentration in a two-component developer by use of a magnetic permeability detecting means,

wherein a percentage by volume of toner particles with particle diameters of $5.04\text{ }\mu\text{m}$ or smaller contained in the replenishment toner is in a range from 1.5 to 3.5 times a percentage by volume of such toner particles contained in an initial toner loaded initially in the image forming apparatus.

2. A replenishment toner as claimed in claim 1,

wherein a median particle diameter on a volume basis of the replenishment toner is in a range from 8.0 to $12.0\text{ }\mu\text{m}$.

3. A replenishment toner as claimed in claim 1,

wherein a median particle diameter of the replenishment toner is equal to a median particle diameter of the initial toner.